

S/N 09/308,829



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: SCHLIEVERT ET AL. Examiner: J. HINES
Serial No.: 09/308,829 Group Art Unit: 1641
Filed: JULY 14, 1999 Docket No.: 600.347USWO
Title: MUTANTS OF STREPTOCOCCAL TOXIN C AND METHODS OF USE

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on May 2, 2002.

Sheryl A. Boerboom
Sheryl A. Boerboom

AMENDMENT AND RESPONSE

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

RECEIVED
MAY 16 2002
TECH CENTER 1600/2900

In response to the Office Action mailed November 2, 2001, please enter this amendment and consider the following remarks for the patent application identified above.

In the Claims

Please amend claims 24 and 35 as follows.

81 Sub F-2
24. (Amended) A mutant Streptococcal pyrogenic exotoxin type C (SPE-C toxin) comprising:
an amino acid substitution of aspartic acid-12, tyrosine-15, tyrosine-17, histidine-35, asparagine-38, or substitution at more than one of these amino acids; and
wherein the mutant is nonlethal compared with a wild type SPE-C toxin.

Sub F-2
35. (Amended) A mutant SPE-C toxin comprising:

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01 FC:102
02 FC:103

420.00 OP ✓
414.00 OP ✓